CleanAir.

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# MEMORANDUM

**Date:** **6/29/06**

**To:** **Kevin Mattison, Brian Dickens**

**Company:** **IEPA, USEPA Region 5**

**From:** **Mark Roach (mroach@cleanair.com)** **847-654-4599**

**Subject:** **Protocol changes for baghouse sampling**

Kevin & Brian:
This is to inform you of the change Clean Air has made to the protocol for the particulate testing at Finkl & Sons and to provide further clarification regarding some of the terminology.

Regarding operations, each heat (which includes charging, refining and tapping) lasts 4.5 to 5 hours. Refining takes approximately 30 to 60 minutes and tapping approximately 10 minutes. The majority of each cycle is charging and melting scrap. The furnace is charged two or three times until the furnace is full. Start times for the two furnaces are staggered by approximately 30 minutes.

Based on a heat of 4.5 to 5 hours the 4 hour sample time will remain. Each sample run will last approximately 5 hours due to port changes and time allowed for baghouse compartment cleaning.

As indicated in the protocol, the positive pressure baghouses have a total of ten compartments – five compartments per side – more precisely 5 compartments each consisting of two sections. Each section has its own vent and is evenly divided with a set number of bags exiting from the vent. Since sampling is conducted above the bags at the top, each section will be sampled individually.

Each compartment is off line for 3 minutes while cleaning. There is a 90 second idle time between compartment cleaning. Sampling will temporarily stopped when the compartment is being cleaned. Once cleaning is finished sampling will resume. The entire cleaning cycle takes approximately 25 minutes. Each section will be sampled for a total of 60 minutes. Therefore, while sampling, each section will be off line twice.

In addition, the names of each baghouse will be reported as follows:

| | | |
|---|---|---|
| East/North positive pressure baghouse | - | East baghouse |
| West positive pressure baghouse | - | West baghouse |
| East/South negative pressure baghouse | - | New baghouse |

Please do not hesitate to call me at 847-654-4599 with any comments or questions about the protocol.

- Mark